

Universiti Teknologi MARA

**i-LAB : INTERACTIVE SCIENCE LAB MANUAL  
FOR SECOND ARYSCHOOL STUDENT**

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Thesis submitted in fulfilment of the requirements for the  
**Bachelor of Computer Science (Hons) (Multimedia Computing)**  
**Faculty of Computer and Mathematical Sciences**

January 2012



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## **Abstract**

Learning science can be classified into two main activities which are classroom activities and hands on activities. In hands on activities, students are required to conduct experiments to proof some theories and concept that they have learned. Students are often not ready for their experiment sessions as it seems to be less attractive. This project intends to adopt a new technology and approach to make a better learning experience. The use of interactive multimedia courseware in the instructional will help students to understand the instruction easily. The integration of multimedia elements has proven to help students learning process especially the use of animation that is able to animate the chemical reaction process. This project can be applied in learning environment as an alternative approach.

**Keyword** : virtual lab. interactive courseware, animation